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591508035Seq1ist.txt

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 105 Leu Arg Leu Gln 95
 110 Phe Ala
 Ser Val Tyr Phe Asp Gln Ser Gln 105
 115 Ala Gln Ala Gln 110
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 35 40 45
 Glu Phe Val Arg Gln Gln His Ser Ile Val Ala Thr Pro Phe Trp Gln
 50 55 60
 Pro Ala Thr Phe Gln Leu Ile Asn Asn Gln Val Met Gln Gln Gln Cys
 65 70 75 80
 Cys Gln Gln Leu Arg Leu Val Ala Gln Gln Ser His Tyr Gln Ala Ile
 85 90 95
 Ser Ser Val Gln Ala Ile Val Gln Gln Leu Gln Leu Gln Gln Val Gly
 100 105 110
 Val Val Tyr Phe Asp Gln Thr Gln Ala Gln Ala Gln Ala Leu Leu Ala
 115 120 125
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<212> DNA
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<220>
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Leu Gln Ser Pro Val Leu Leu Gln Gln Gln Val Leu Ser Pro Tyr Asn
35 40 45
Glu Phe Val Arg Gln Gln Tyr Gly Ile Ala Ala Ser Pro Phe Leu Gln
50 55 60
Ser Ala Ala Phe Gln Leu Arg Asn Asn Gln Val Trp Gln His Gln Ala
65 70 75 80
Gly Gly Gln Gln Ser Arg Tyr Gln Asp Ile Asn Ile Val Gln Ala Ile
85 90 95
Ala Tyr Glu Leu Gln Leu Gln Gln Phe Gly Asp Leu Tyr Phe Asp Arg
100 105 110
Asn Gln Ala Gln Ala Gln Ala Leu Leu Ala Phe Asn Val Pro Ser Arg
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591508035Seq1ist.txt

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ctgcatttca	agcagagaaac	aaccaagtct	ggcaacagct	cgcgctgggtg	gcgcacaacat	420
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gtgtcttgta	atgtgtttta	acaaggtata	gtgttctgga	agttaaaat	aagctcagat	660
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 Leu Gln Ser Pro Val Leu Leu Gln Gln Gln Val Leu Ser Pro Tyr Asn
 35 40 45
 Glu Phe Val Arg Gln Gln Tyr Gly Ile Ala Ala Ser Pro Phe Leu Gln
 50 55 60
 Ser Ala Ala Phe Gln Leu Arg Asn Asn Gln Val Trp Gln Gln Leu Ala
 65 70 75 80
 Leu Val Ala Gln Gln Ser His Tyr Gln Asp Ile Asn Ile Val Gln Ala
 85 90 95
 Ile Ala Gln Gln Leu Gln Leu Gln Gln Phe Gly Asp Leu Tyr Phe Asp
 100 105 110
 Arg Asn Leu Ala Gln Ala Gln Leu Ala Phe Asn Val Pro Ser Arg Tyr
 115 120 125
 Gly Ile Tyr Pro Arg Tyr Tyr Gly Ala Pro Ser Thr Ile Thr Thr Leu
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 35 40 45
 Cys Ser Thr Val Ala Thr Pro Phe Phe Gln Ser Pro Val Phe Gln Leu
 50 55 60
 Arg Asn Cys Gln Val Met Gln Gln Gln Cys Cys Gln Gln Leu Arg Met
 65 70 75 80
 Ile Ala Gln Gln Ser His Cys Gln Ala Ile Ser Ser Val Gln Ala Ile
 85 90 95
 Val Gln Gln Leu Gln Leu Gln Gln Phe Ser Gly Val Tyr Phe Asp Gln
 100 105 110
 Ala Gln Ala Gln Ala Gln Ala Met Leu Gly Leu Asn Leu Pro Ser Ile
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 Gly Gly Ile Trp Tyr
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 Leu Gln Ser His Leu Gln Leu Gln Gln Gln Val Leu Ser Pro Cys Ser

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 Glu Phe Val Arg Gln Gln His Ser Ile Val Ala Thr Pro Phe Trp Gln
 50 55 60
 Pro Ala Thr Phe Gln Leu Ile Asn Asn Gln Val Met Gln Gln Gln Cys
 65 70 75 80
 Cys Gln Gln Leu Arg Leu Val Ala Gln Gln Ser His Tyr Gln Ala Ile
 85 90 95
 Ser Ser Val Gln Ala Ile Val Gln Gln Leu Gln Gln Val Gly
 100 105 110
 Val Val Tyr Phe Asp Gln Thr Gln Ala Gln Ala Gln Ala Leu Leu Ala
 115 120 125
 Leu Asn Leu Pro Ser Ile Cys Gly Ile Tyr Pro Asn Tyr Tyr Ile Ala
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 Pro Arg Ser Ile Pro Thr Val Gly Val Ser Gly Thr Glu Leu
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 Leu Gln Ser His Leu Leu Leu Gln Gln Val Leu Ser Pro Cys Ser
 35 40 45
 Glu Phe Val Arg Gln Gln Tyr Ser Ile Val Ala Thr Pro Phe Trp Gln
 50 55 60
 Pro Ala Thr Phe Gln Leu Ile Asn Asn Gln Val Met Gln Gln Gln Cys
 65 70 75 80
 Cys Gln Gln Leu Arg Leu Val Ala Gln Gln Ser His Tyr Gln Ala Ile
 85 90 95
 Ser Ile Val Gln Ala Ile Val Gln Gln Leu Gln Leu Gln Phe Ser
 100 105 110
 Gly Val Tyr Phe Asp Gln Thr Gln Ala Gln Ala Gln Thr Leu Leu Thr
 115 120 125
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591508035Seq1ist.txt

130 135 140
Pro Arg Ser Ile Ala Thr Val Gly Gly Val Trp Tyr
145 150 155

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Val Gln Ser Pro Leu Leu Leu Gln Gln Val Leu Ser Pro Tyr Asn
35 40 45
Glu Phe Val Arg Gln Gln Tyr Ser Ile Ala Ala Ser Thr Phe Leu Gln
50 55 60
Ser Ala Ala Phe Gln Leu Arg Asn Asn Gln Val Leu Gln Gln Leu Arg
65 70 75 80
Leu Val Ala Gln Gln Ser His Tyr Gln Asp Ile Asn Val Val Gln Ala
85 90 95
Ile Ala His Gln Leu His Leu Gln Gln Phe Gly Asn Leu Tyr Ile Asp
100 105 110
Arg Asn Leu Ala Gln Ala Gln Ala Leu Leu Ala Phe Asn Leu Pro Ser
115 120 125
Thr Tyr Gly Ile Tyr Pro Trp Ser Tyr Ser Ala Pro Asp Ser Ile Thr
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Thr Leu Gly Gly Val Leu Tyr
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591508035Seq1ist.txt

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Leu Gln Ser Pro Val Leu Leu Gln Gln Gln Val Leu Ser Pro Tyr Asn
35 40 45
Glu Phe Val Arg Gln Gln Tyr Gly Ile Ala Ala Ser Pro Phe Leu Gln
50 55 60
Ser Ala Ala Phe Gln Leu Arg Asn Asn Gln Val Trp Gln Gln Leu Ala
65 70 75 80
Leu Val Ala Gln Gln Ser His Tyr Gln Asp Ile Asn Ile Val Gln Ala
85 90 95
Ile Ala Gln Gln Leu Gln Leu Gln Phe Gly Asp Leu Tyr Phe Asp
100 105 110
Arg Asn Leu Ala Gln Ala Gln Ala Leu Leu Ala Phe Asn Val Pro Ser
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Arg Tyr Gly Ile Tyr Pro Arg Tyr Tyr Gly Ala Pro Ser Thr Ile Thr
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145 150

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591508035Seq1ist.txt

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 Gln Ser Pro Val Leu Leu Gln Gln Gln Val Leu Ser Pro Tyr Asn Glu
 35 40 45
 Phe Val Ser Ser Ser Met Ala Tyr Gly Asn Pro Phe Leu Gln Ser Ala
 50 55 60
 Ala Phe Gln Leu Arg Asn Asn Gln Val Trp Gln Gln Leu Ala Leu Val
 65 70 75 80
 Ala Gln Gln Ser His Tyr Gln Asp Ile Asn Ile Val Gln Ala Ile Ala
 85 90 95
 Gln Gln Leu Gln Leu Gln Gln Phe Gly Asp Leu Tyr Phe Asp Arg Asn
 100 105 110
 Leu Ala Gln Ala Gln Ala Leu Leu Ala Phe Asn Val Pro Pro Lys Tyr
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 Gly Gly Val Leu
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<220>
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 aataaccaag tctggcaaca tcaggctggt ggccaacaat ctgcctatca ggacattaac 480
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gttttaacag	tatagttggt	cggaagttaa	aaataagctc	agatatcatc	atatgtgaca	720
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 20 25 30
 Leu Gln Ser Pro Val Leu Leu Gln Gln Val Leu Ser Pro Tyr Asn
 35 40 45
 Glu Phe Val Arg Gln Gln Tyr Gly Ile Ala Ala Ser Pro Phe Leu Gln
 50 55 60
 Ser Ala Ala Phe Gln Leu Arg Asn Asn Gln Val Trp Gln His Gln Ala
 65 70 75 80
 Gly Gly Gln Gln Ser Arg Tyr Gln Asp Ile Asn Ile Val Gln Ala Ile
 85 90 95
 Ala Tyr Glu Leu Gln Leu Gln Phe Gly Asp Leu Tyr Phe Asp Arg
 100 105 110
 Asn Gln Ala Gln Ala Gln Ala Leu Leu Ala Phe Asn Val Pro Ser Arg
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 Leu Gly Gly Val Leu
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<210> 23
 <211> 609
 <212> DNA
 <213> Oryza sativa

<220>
 <223> 13kd prolamine

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 180
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 240
 gtgtttcaac tgagaaacaa ccaagtcttg caacagctca ggctgggtggc gcaacaaatct
 300
 cactaccagg acattaacgt tgcccaggcc atagcgagc agctacacct ccagcagttt
 360
 ggcgactctc acattgaccg gaatctggct caagcgcaac gactgttggc ttttaacttg
 420
 ccatctacat atggatctta cctagggtac tatagagcac cgggtagtat taccaccctt
 480
 ggcgggtgtc tgtactgaat ttccacaata ttgtagttcg gaagtgaata tataagcctc
 540
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 600
 ttcattattt
 609

<210> 24
 <211> 150
 <212> PRT
 <213> Oryza sativa

<220>
 <223> 13kd prolamine

591508035Seqlist.txt

<400> 24
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 Gln Ser Pro Leu Leu Leu Gln Gln Gln Val Leu Ser Leu Tyr Asn Glu
 35 40 45
 Phe Val Arg Gln Gln Tyr Ser Ile Ala Ala Ser Pro Phe Leu Gln Ser
 50 55 60
 Ala Val Phe Gln Leu Arg Asn Asn Gln Val Leu Gln Gln Leu Arg Leu
 65 70 75 80
 Val Ala Gln Gln Ser His Tyr Gln Asp Ile Asn Val Val Gln Ala Ile
 85 90 95
 Ala Gln Gln Leu His Leu Gln Gln Phe Gly Asp Leu Tyr Ile Asp Arg
 100 105 110
 Asn Leu Ala Gln Ala Gln Arg Leu Leu Ala Phe Asn Leu Pro Ser Thr
 115 120 125
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 130 135 140
 Leu Gly Gly Val Leu Tyr
 145 150

<210> 25
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<220>
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 atatcagctg cagtcgctctg tcttctctaca gcaacatgtg ctttagcccat ataatgagtt 180
 cgtaaggcag cagtatggca tagcggcaag ccccttcttg caatcagctg cgtttcaact 240
 gagaaacaac caagtctggc aacagctcgc gctggtggcg caacaatctc actatcagga 300
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 ctttgatcgg aatctggctc aagctcaagc tctgttggtc tttacgtgac catctagata 420
 tggatcttac cctaggctact atggtgcacc cagtaccatt accacccttg gcggtgtctt 480
 tgaatgagtt ttaacagtat agtggttcgg aagataaaaa taagctcaga tatcatcata 540
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<210> 26
 <211> 149
 <212> PRT
 <213> Oryza sativa

<220>
 <223> 13kD prolamine

<400> 26
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 Pro Leu Gln Phe Asp Val Leu Gly Gln Ser Tyr Arg Gln Tyr Gln Leu
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 Gln Ser Pro Val Leu Leu Gln Gln His Val Leu Ser Pro Tyr Asn Glu
 35 40 45
 Phe Val Arg Gln Gln Tyr Gly Ile Ala Ala Ser Pro Phe Leu Gln Ser
 50 55 60
 Ala Ala Phe Gln Leu Arg Asn Asn Gln Val Trp Gln Gln Leu Ala Leu
 65 70 75 80
 Val Ala Gln Gln Ser His Tyr Gln Asp Ile Asn Ile Val Gln Ala Ile

591508035Seq1ist.txt

Ala	Gln	Gln	Leu	85	Gln	Leu	Gln	Gln	Phe	90	Gly	Asp	Leu	Tyr	Phe	95	Asp	Arg
Asn	Leu	Ala	Gln	100	Ala	Gln	Ala	Leu	105	Leu	Ala	Phe	Asn	Val	110	Pro	Ser	Arg
Tyr	Gly	Ile	Tyr	115	Pro	Arg	Tyr	Tyr	120	Gly	Ala	Pro	Ser	Thr	125	Ile	Thr	Thr
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145																		

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 <213> Oryza sativa

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acattctcac	taccaggcca	ttagtattgt	tcaagcgatt	gtgcaacagc	tacaactgca													180
gcatttttagt	ggtgtctact	ttgatcagac	tcaagctcaa	gcccaactt	ttttgacctt													240
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<210> 28
 <211> 94
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 <213> Oryza sativa

<220>
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<400> 28																		
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Gln	Gln	Leu	Arg	35	Leu	Val	Ala	Gln	His	40	Ser	His	Tyr	Gln	Ala	Ile	Ser	
Ile	Val	Gln	Ala	50	Ile	Val	Gln	Gln	Leu	55	Gln	Leu	Gln	His	Phe	Ser	Gly	
Val	Tyr	Phe	Asp	65	Gln	Thr	Gln	Ala	Gln	70	Ala	Gln	Thr	Phe	Leu	Thr	Phe	
Asn	Phe	Pro	Ser	85	Ile	Cys	Gly	Ile	Tyr	90	Leu	Asn	Leu	Leu	Leu			

<210> 29
 <211> 1836
 <212> DNA
 <213> Oryza sativa

<220>
 <223> 13kd prolamine

<400> 29																		
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tcctagatat	aactctaaaac	ggaaggtgaa	acggaggagg	tacctacata	gtaattggcat													240
gcctatgttg	cttaatttga	cccggtgcagc	tgagtatatg	tgatggagac	aaaagtftact													300
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acgacacact	tagattctaa	taggacatcc	aagcaaaaca	acacttagat	cctaatagga													420

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tcacgaaggt	ataaacctaga	ataatttaatt	tcagtataga	agcaaaaaaa	cagcagcaac	600
attcaggagga	aaaacttagaa	ataaagttatt	atgattgttc	tcagtttatt	cagtcgcaaa	660
agatatgtta	ctgtaaacaa	aattgataaa	aaacctgatg	ttctcaacaa	actcagaggaa	720
ttctgttaatt	ttgtcaggtt	catcttcata	agttggtttt	tccttcaggg	aggagggaggt	780
atattgtgatg	gacacaaaag	ttactttttt	gatgaaccca	acgggttatgt	gttggggcac	840
ctaacgaagc	atctattctaa	atgcatagac	tcacttagat	cctaataagg	cttcaggaca	900
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taataatgaa	agcccaatga	aaaacctctc	catctgtttc	acagtccttg	cattatacac	1020
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gagtttttaac	agtataagtga	tttgggaattg	aaaaataagc	tcataatatt	tcatatgtga	1560
ctctgtaaa	ttgggggtgg	ataaatcgaa	ataaagttgt	ttcttcattat	taaataccat	1620
gccctctata	ggatatactc	tagtactatg	tcgtaactaa	ttaccattcat	cggtactcta	1680
caattttact	gtgttcttca	attgcatacg	aagctacttt	gttttttaaga	tataaatgga	1740
gcgtataaag	gatgtccgtc	ctttctattc	aaataagaaca	atgtaacatc	ctgaaaatgt	1800
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<210> 30
<211> 101
<212> PRT
<213> Oryza sativa

<220>
<223> 13kD prolamine

<400> 30
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Leu Gln Ser Pro Leu Leu Gln Gln Gln Val Leu Ser Pro Tyr Asn
Asp Phe Val Arg Gln Arg Tyr Gly Ile Ala Ala Ser Pro Phe Leu Gln
Ser Ala Ala Phe Lys Leu Arg Asn Asn Gln Val Trp Gln Gln Leu Gly
65 Leu Val Ala Gln Gln Ser His Tyr Gln Asp Ile Asn Ile Val Gln Ala
Ile Ala Gln Gln Leu 90 95

<210>	31
<211>	622
<212>	DNA
<213>	rice

<220>
<223> 16kD prolamine

[illegible]

591508035Seq1ist.txt

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ctccatgtgt	ggagctctacc	ctaggtactg	cagcactcca	tgcaaaagt	ctactgggtca	480
ttgcggttt	tggtagtgtg	taccatcata	tatatatagt	tggaataaata	aagtgtcaca	540
catcatcgtg	tgtgtcatgt	aataaaaattt	ggaatagctt	ttggctgttc	gtatgaataa	600
atgaaaaatta	taacaaaaaa	aa				622

<210> 32
 <211> 149
 <212> PRT
 <213> rice

<220>
 <223> 16kD prolamine

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Pro Phe Met Gln Pro Ile Met Asn Pro Cys Asn Glu Phe Val Arg Gln	
35 40 45	
Gln Cys Ser Pro Met Ser Leu Pro Trp Lys Gln Ser Arg Arg Leu Gln	
50 55 60	
Leu Ser Ser Cys Gln Val Met Arg Gln Gln Cys Gln Gln Met Arg	
65 70 75 80	
Leu Met Ala Gln Gln Tyr His Cys Gln Ala Ile Cys Thr Met Val Gln	
85 90 95	
Ser Ile Met Gln Gln Val Gln Phe Asp Ala Gly Phe Val Gly Glu Pro	
100 105 110	
Gln Ala Gln Ala Gln Ala Gln Val Ala Leu Asn Leu Pro Ser Met Cys	
115 120 125	
Gly Val Tyr Pro Arg Tyr Cys Ser Thr Pro Cys Lys Val Ala Thr Gly	
130 135 140	
His Cys Gly Ser Trp	
145	

<210> 33
 <211> 562
 <212> DNA
 <213> Oryza sativa

<220>
 <223> 10kD prolamine

<400> 33	
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caatcaccac tatgcagtat ttcccaccaa cattagccat gggcaccatg gatccgtgta	180
ggcagtatcat gatgcaaacg ttgggcatgg gttagctccac agccatgttc atgtcgcagc	240
caatggcgct cctgcagcag caatgttgca tgcagctaca aggcgatgat cctcagtgcc	300
actgtggcac cagttgcccag atgatgcaga gcatgcaaca agttatttgt gctggactcg	360
ggcagcagca gatgatgaag atggcgatgc agatgccata catgtgcaac atggccccctg	420
tcaacttcca actctcttcc ttgtgtgtgt gttgatcaaa cgttgggttac atgtactcta	480
gtaataaggt gttgcatact atcgtgtgca aacactagaa ataagaacca ttgaataaaa	540
tatcaatcat ttccagactt gc	562

<210> 34
 <211> 134
 <212> PRT
 <213> Oryza sativa

<220>

<223> 10kD prolamine

<400> 34

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20      25      30
Pro Thr Leu Ala Met Gly Thr Met Asp Pro Cys Arg Gln Tyr Met Met
35      40      45
Gln Thr Leu Gly Met Gly Ser Ser Thr Ala Met Phe Met Ser Gln Pro
50      55      60
Met Ala Leu Leu Gln Gln Gln Cys Cys Met Gln Leu Gln Gly Met Met
65      70      75      80
Pro Gln Cys His Cys Gly Thr Ser Cys Gln Met Met Gln Ser Met Gln
85      90      95
Gln Val Ile Cys Ala Gly Leu Gly Gln Gln Gln Met Met Lys Met Ala
100     105     110
Met Gln Met Pro Tyr Met Cys Asn Met Ala Pro Val Asn Phe Gln Leu
115     120     125
Ser Ser Cys Gly Cys Cys
130

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<210> 35

<211> 332

<212> DNA

<213> Oryza rufipogon

<220>

<223> 10kD prolamine

<400> 35

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attagccatg ggcaccatgg atccgtgtag gcagtacatg atgcaaacgt tgggcatggg      120
tagctccaca gccatgttca tgtcgcagcc aatggcgctc ctgcagcagc aatgttgcat      180
gcagctacaa ggcattgatgc ctcaagtcca ctgtggcacc agttgccaga tgatgcagag      240
catgcaacaa gttatttgtg ctggactcgg gcagcagcag atgatgaaga tggcgatgca      300
gatgccatac atgtgcaaca tggcccttgt ca      332

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<210> 36

<211> 110

<212> PRT

<213> Oryza rufipogon

<220>

<223> 10kD prolamine

<400> 36

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Ile Ala Leu Ser Ala Ser Ala Thr Thr Ala Ile Thr Thr Met Gln Tyr
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Phe Pro Pro Thr Leu Ala Met Gly Thr Met Asp Pro Cys Arg Gln Tyr
20      25      30
Met Met Gln Thr Leu Gly Met Gly Ser Ser Thr Ala Met Phe Met Ser
35      40      45
Gln Pro Met Ala Leu Leu Gln Gln Gln Cys Cys Met Gln Leu Gln Gly
50      55      60
Met Met Pro Gln Cys His Cys Gly Thr Ser Cys Gln Met Met Gln Ser
65      70      75      80
Met Gln Gln Val Ile Cys Ala Gly Leu Gly Gln Gln Met Met Lys
85      90      95
Met Ala Met Gln Met Pro Tyr Met Cys Asn Met Ala Pro Val
100     105     110

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<210> 37

591508035Seq1ist.txt

<211> 349
 <212> DNA
 <213> Oryza longistaminata

<220>
 <223> 10kd prolamine

<220>
 <221> misc_feature
 <222> (18)..(19)
 <223> n is a, c, g, or t

<400> 37
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 aaacgtttgg catgggtagc tccacaacca tgttcatgtc gcagccaatg gcgctcctgc 180
 agcagcaatg ttgcatgcag ctacaaggca tgatgcctca gtgccactgt ggcaccagt 240
 gccagatgat gcagagcatg caacaagttg tttgtgctgg actcgggcag cagcagatga 300
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<210> 38
 <211> 116
 <212> PRT
 <213> Oryza longistaminata

<220>
 <223> 10kd prolamine

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> Xaa can be any naturally occurring amino acid

<400> 38
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 20 25 30
 Pro Cys Arg Gln Tyr Met Met Gln Thr Leu Gly Met Gly Ser Ser Thr
 35 40 45
 Thr Met Phe Met Ser Gln Pro Met Ala Leu Leu Gln Gln Cys Cys
 50 55 60
 Met Gln Leu Gln Gly Met Met Pro Gln Cys His Cys Gly Thr Ser Cys
 65 70 75 80
 Gln Met Met Gln Ser Met Gln Gln Val Val Cys Ala Gly Leu Gly Gln
 85 90 95
 Gln Gln Met Met Lys Met Ala Met Gln Met Pro Tyr Met Cys Asn
 100 105 110
 Met Ala Pro Val
 115

<210> 39
 <211> 343
 <212> DNA
 <213> Oryza rufipogon

<220>
 <223> 10kd prolamine

<400> 39
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 ttgggcattg gtatgctccac agccatgttc atgtcgcagc caatggcgct cctgcagcag 180

591508035Seqlist.txt

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<210> 40
 <211> 113
 <212> PRT
 <213> Oryza rufipogon

<220>
 <223> 10kd prolamine

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 20 25 30
 Cys Arg Gln Tyr Met Met Gln Thr Leu Gly Met Gly Ser Ser Thr Ala
 35 40 45
 Met Phe Met Ser Gln Pro Met Ala Leu Leu Gln Gln Cys Cys Met
 50 55 60
 Gln Leu Gln Gly Met Met Pro Gln Cys His Cys Gly Thr Ser Cys Gln
 65 70 75 80
 Met Met Gln Ser Met Gln Gln Val Ile Cys Ala Gly Leu Gly Gln Gln
 85 90 95
 Gln Met Met Lys Met Ala Met Gln Met Pro Tyr Met Cys Asn Met Ala
 100 105 110
 Pro

<210> 41
 <211> 339
 <212> DNA
 <213> Oryza rufipogon

<220>
 <223> 10kd prolamine

<400> 41
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 ggcatagggta gctccacagc catgttccatg tcgcagccaa tggcgctcct gcagcagcaa 180
 gttgtcatgc agctacaagg catgatgcct cagtgccact gtggcaccag ttgccagatg 240
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 gcgatgcaga tgccatacat gtgcaacatg gccctgtg 339

<210> 42
 <211> 113
 <212> PRT
 <213> Oryza rufipogon

<220>
 <223> 10kd prolamine

<400> 42
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 20 25 30
 Arg Gln Tyr Met Met Gln Thr Leu Gly Met Gly Ser Ser Thr Ala Met
 35 40 45
 Phe Met Ser Gln Pro Met Ala Leu Leu Gln Gln Gln Cys Cys Met Gln
 50 55 60
 Leu Gln Gly Met Met Pro Gln Cys His Cys Gly Thr Ser Cys Gln Met

591508035Seq1ist.txt

65 70 75 80
 Met Gln Ser Met Gln Val Ile Cys Ala Gly Leu Gly Gln Gln Gln
 85 90 95
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 100 105 110
 Val

<210> 43
 <211> 343
 <212> DNA
 <213> Oryza rufipogon

<220>
 <223> 10kd prolamine

<220>
 <221> misc_feature
 <222> (19)..(19)
 <223> n is a, c, g, or t

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 cgttgggcat gggtagctcc acagccatgt tcatgtcgca gccaatggcg ctctgtcagc 180
 agcaatgttg catgcagcta caaggcatga tgcctcagtg ccactgtggc accagttgcc 240
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 agatggcgat gcagatgcca tacatgtgca acatggcccc tgt 343

<210> 44
 <211> 114
 <212> PRT
 <213> Oryza rufipogon

<220>
 <223> 10kd prolamine

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> Xaa can be any naturally occurring amino acid

<400> 44
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 20 25 30
 Cys Arg Gln Tyr Met Met Gln Thr Leu Gly Met Gly Ser Ser Thr Ala
 35 40 45
 Met Phe Met Ser Gln Pro Met Ala Leu Leu Gln Gln Gln Cys Cys Met
 50 55 60
 Gln Leu Gln Gly Met Met Pro Gln Cys His Cys Gly Thr Ser Cys Gln
 65 70 75 80
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 85 90 95
 Gln Met Met Lys Met Ala Met Gln Met Pro Tyr Met Cys Asn Met Ala
 100 105 110
 Pro Val

<210> 45
 <211> 533
 <212> DNA
 <213> Oryza sativa

591508035Seqlist.txt

<220>

<223> 10kD prolamine

<400> 45

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gatccgtgtg	ggcagtcacat	gatgcaaacg	ttgggcatgg	gtagctccac	agccatgttc	180
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ccctcagtcg	actgtggcac	cagttggcag	atgatgcaga	gcatgcaaca	agttatttgt	300
gctggactcg	ggcagcagca	gatgatgaag	atggcgatgc	agatgccata	catgtgcaac	360
atggccctcg	tcaacttcga	actctcttcc	tggtgtgtgt	gttgatgaaa	cgttgggttac	420
atgtactcta	gtaataaagt	gttgcatact	atcgtgtgca	aacactagaa	ataagtacca	480
ttgaataaaa	tatcaaacat	tttcagactt	gcaaaaaaaaa	aaaaaaaaaa	aaa	533

<210> 46

<211> 134

<212> PRT

<213> Oryza sativa

<220>

<223> 10kD prolamine

<400> 46

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			20					25				30			
Pro	Thr	Leu	Ala	Met	Gly	Thr	Met	Asp	Pro	Cys	Arg	Gln	Tyr	Met	Met
			35				40					45			
Gln	Thr	Leu	Gly	Met	Gly	Ser	Ser	Thr	Ala	Met	Phe	Met	Ser	Gln	Pro
			50				55				60				
Met	Ala	Leu	Leu	Leu	Gln	Gln	Cys	Cys	Met	Gln	Leu	Gln	Gly	Met	Met
65					70				75					80	
Pro	Gln	Cys	His	Cys	Gly	Thr	Ser	Cys	Gln	Met	Met	Gln	Ser	Met	Gln
				85					90					95	
Gln	Val	Ile	Cys	Ala	Gly	Leu	Gly	Gln	Gln	Gln	Met	Met	Lys	Met	Ala
			100					105					110		
Met	Gln	Met	Pro	Tyr	Met	Cys	Asn	Met	Ala	Pro	Val	Asn	Phe	Gln	Leu
		115					120					125			
Ser	Ser	Cys	Gly	Cys	Cys										
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<210> 47

<211> 940

<212> DNA

<213> rice

<220>

<223> 10kDa prolamine promoter

<400> 47

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taattataat	atcagttaaa	attgaaaaata	atgcaacttc	atacttgcac	gggtcagta	180
gtgcctgcct	aagaaatgtg	tcttgtcaca	atatgaattc	atgaaatagt	tttacttctc	240
tcgtttctct	ttatttgtaa	gataaagaac	tagatatgtg	gaaagttaga	tagcaaagag	300
tatggccaaa	ctctaatctt	tgctttattt	tttgggatgg	accctaaatt	tggttctctc	360
ttacttcttt	ccctttacaa	caatgttctt	tacttccaat	tcttattaac	aaaactccaa	420
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ctgtgacttg	tgtaaacacat	tctacaagtc	ccatacgaat	tctgttcaca	aaagtgttct	600
tgctccagctc	ataatttaca	aaactgcaaa	atgccaaagc	aactctggcac	aaccttatca	660
tcatattttc	tttccacgca	ttaaagcact	ggcagaatta	tctttgtgta	gatattccaa	720

591508035Seq1ist.txt

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gcctccacta	gggtggtttt	caaaggccaa	actcttttct	ggcttacaca	gctaccagca	840
tgataaata	ggccctcagg	caaccattat	tccatcatcc	taacaatat	tgtctacacc	900
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<210> 48
 <211> 1351
 <212> DNA
 <213> rice

<220>
 <223> GLUTELIN-B1 promoter

<400> 48						
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taaatggaaa	aagaaaaagg	aaaaagggga	tggtctctgc	tttttgggct	gaaggcggcg	180
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agatgctttt	ttattgtcat	ataaaactgac	ttggtctgtc	tttgaaactca	catcaattag	1320
cttaagtttc	cataagcaag	tacaatatagc	t			1351

<210> 49
 <211> 852
 <212> DNA
 <213> Unknown

<220>
 <223> Description of Unknown Organism:CaMV 35S gene promoter

<400> 49						
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cttcccaaga	aggtttaaaga	tcagatcaaa	agattcagga	ctaactgcac	caagaacaca	180
gagaaagata	tattttctaa	gatcagaagt	actattccag	tatggacgat	ccaggcgttg	240
cttcacaaac	caaggccaagt	aatagagatt	ggagtcctta	aaaaggtagt	tccactgtaa	300
tcaaaggcca	tgaggtcaaa	gattcacaata	gaggacctaa	cagaactcgc	cgtaaaagct	360
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tgccacgcta	ctgtgacttt	tattgtgaag	atagtggaag	aggaagggtg	ctctacaaaa	600
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tcaaaagcaag	tggattgtgt	tgatatcttc	actgacgtaa	gggtagcgc	aaactccacc	780
tatccttctg	aagacccttc	ctctatataa	ggaagttcat	ttcatttggg	gagaacacgg	840
gggactgtcg	ag					852

591508035Seq1ist.txt

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<210> 50
<211> 1047
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic antisense sequence

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gattttgtga cgcccagacg tcccgggtcc ggatcggacg attgcgtcgc atcgaccctg 180
cgcccaagct gcatactcga aattgccgtc aaccaagctc tgatagagtt ggtcaagacc 240
aatgcggagc atatacgccc ggagccgcgg cgatcctgca agctccggat gcctccgcctc 300
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gccattgtcc gtcaggacat tgttggagcc gaaatccgcg tgcacgaggt gccggacttc 480
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cgagagctgc atcaggtcgg agacgctgtc gaacttttcg atcagaaact tctcgacaga 1020
cgtcgcggtg agttcaggct ttttcat 1047

<210> 51
<211> 67
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic antisense sequence

<400> 51
aatgaagatc attttcgtat ttgctctcct tgctattggt gcatgcaacg cttctgcacg 60
gtttgat 67

<210> 52
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic antisense sequence

<400> 52
atgaagatca ttttc 15

<210> 53
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic control sequence

<400> 53
ggatcccggt gtacc 15

<210> 54

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591508035Seqlist.txt

<211> 1047
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism:hygromycin phosphotransferase gene

<400> 54
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gtaggagggc gtggatatgt cctgcgggta aatagctcgc ccgatgtgtt ctacaaagat 180
cgttatgttt atcggcactt tgcatcggcc gcgctcccga ttccggaagt gcttgacatt 240
ggggagtcca gcgagagcct gacctattgc atctcccgcc gtgcacaggg tgtcacgttg 300
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gcgatcgctg cggccgatct tagccagacg agcgggttgc gccattcgg accgcaagga 420
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atgttcgggg attcccaata cgaggtcggc aacatcttct tctggagccc gtggttggt 720
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gccgcgtact tcgggcgtac acaaatcgcc cgacagaagc cggccgctcg gaccgatggc 960
tgtgtagaag tactcgccga tagtggaaac cgacgcccc gcactcgctc gagggcaag 1020
gaatagagta gatgccgacc gtctagt 1047

<210> 55
<211> 265
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism:Nos terminator

<400> 55
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cggctcttgc atgattatca tataatttct gttgaattac gtttaagcatg taataattaa 120
catgtaatgc atgacgttat ttatgagatg ggtttttatg attagagtcc cgcaattata 180
catttaatac gcgatagaaa acaaaaataa gcgcgcaaac taggataaat tatcgcgcgc 240
gggtgatctc atgttactag atcgg 265

<210> 56
<211> 341
<212> PRT
<213> Artificial Sequence

<220>
<223> Modified HPT synthetic sequence

<400> 56
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1 5 10 15
Glu Lys Phe Asp Ser Val Ser Asp Leu Met Gln Leu Ser Glu Gly Glu
20 25 30
Glu Ser Arg Ala Phe Ser Phe Asp Val Gly Gly Arg Gly Tyr Val Leu
35 40 45
Arg Val Asn Ser Cys Ala Asp Gly Phe Tyr Lys Asp Arg Tyr Val Tyr
50 55 60
Arg His Phe Ala Ser Ala Ala Leu Pro Ile Pro Glu Val Leu Asp Ile
65 70 75 80
Gly Glu Phe Ser Glu Ser Leu Thr Tyr Cys Ile Ser Arg Arg Ala Gln

90

<210>	57
<211>	2158
<212>	DNA
<213>	Artificial Sequence

<220>
<223> CAMV35S-Modified HPT-NOS synthetic sequence

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tctcccaaga	aggttataaga	tgcatgtcaa	agatctcagga	ctaactcgat	caagaacaca		180
gagaaagata	tattttctcaa	gactagaagt	actattccag	tatggagcat	ctcaaggcttg		240
cttccacaaac	caaggccaagt	aatagaaatt	ggagctctcta	aaaaaggtat	ttcccatgtaa		300
ctcaaaaggct	tgtagtctaaa	tgtctaaata	gaggaccttaa	cagaactcgc	cgtaaaagact		360
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<210> 58
 <211> 1757
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic promoter sequence

<400> 58						
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aaattttaata	tatafatata	tatafatata	tatafatata	tatafatata	tatafatata	180
tatafatata	tatafatata	tatafatata	tatacatcga	gtctctgcac	aaagtgcatt	240
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gtagcttaag	atgggtatata	taataaccac	ttacaacctg	attctaaatt	tactacggcc	480
cagtatgtac	caatacaaaa	caacagatag	gttttctctc	atcgtaatcg	tacacagtag	540
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cacggcagta	acgcccgttc	gctgcgtggt	aacggccacc	aacccccccg	tgagcaaaag	660
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ttctcttctt	ctttatttgt	ctatatcttc	actggggccc	accacgcgca	ccctctggcc	840
cactcacgag	tccccccctc	cccacatata	aataccccac	ccctctctcg	cgatctcttc	900
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gtgtgcagat	ctctaga					1757

<210> 59
 <211> 926
 <212> DNA
 <213> Unknown

<220>

<223> Description of Unknown Organism:GUS gene partial fragment

<400> 59

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ggcaaaagat	tcgataacgt	gctgtatggt	cacgaccacg	cattaatgga	ctggattggg	180
gccaaactct	accgtacctc	gcattaccct	tacgtggaag	agatgctcga	ctgggcagat	240
gaacatggca	tcgtggtgat	tgatgaaact	gctgctgtcg	gctttaacct	ctcttttagcg	300
attgggtttc	aagcggggcaa	caagccgaaa	gaactgtaca	gcgaagaggg	agtcacacggg	360
gaaactcagc	aagcgcactt	acagggcatt	aaagagctga	tagcgctgga	caaaaaaccac	420
ccaagcgtg	tgatgtggag	tattgccaac	gaaccggata	cccgctccga	agtcacacggg	480
aataatttcg	cactggcgga	agcaacgcgt	aaactcgacc	cgacgcgtcc	gatcacctcgc	540
gtcaatgtaa	tgtttctgca	cgctcacacc	gataccatca	gcgactctctt	tgatgtgctg	600
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gagtatcagt	gtgcattgct	ggatatgtat	caccgcgtct	ttgatcgctg	cagcgccgtc	840
gtcggtgaa	aggtatggaa	tttcgccgat	tttgcgacct	cgcaaggcat	attgcgcgtt	900
ggcggtaaca	agaaagggat	cttcac				926

<210> 60

<211> 1198

<212> DNA

<213> Oryza sativa

<400> 60

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gttttggttg	cagacatgga	gatgtgtgtg	atgctatgaa	tagctgatat	ttttaagtgt	180
gtttattaat	ttggatatag	actgacaaat	gattatattc	ttctaatgta	ttaaattcta	240
cttttggatg	actgtatgga	ttattttaca	gttattggaa	gaacttgcag	catgtggggt	300
atatggttat	actacgtgac	atatattcat	gagtggagtt	cagagttttg	gcttgtctcc	360
aggcatacat	atacctaggc	acaagttccg	cgcaaaagca	tacaaggaag	atcataacaa	420
catgttttccc	cttctctgga	aaattttgtt	ggcaacagat	gccttctcct	tccttccagt	480
cttgcgttctt	tagtcagttt	ggagggaagca	gcaaatatgt	gatgatatga	gaatcctcta	540
catcgggtg	gtgtaccaca	cgactttatt	attattatta	ttattattat	tattatttta	600
caaaatatata	atagatcagt	ccctcaccaa	caagtagagc	aagttgtgtga	gttattgttaa	660
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tgctcaatgga	acaatgaaaa	ccatatgaca	tactataatt	ttgtttttat	tattgaaatt	780
ataataattca	aagagaataa	atccacatag	ccgtaaaagt	ctacatgtgg	tgcatattaca	840
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attgacacat	aaagtggagt	atgagtcata	atattatttt	tcttgctacc	catcatgtat	960
atatgatagat	cacaaagtta	ctttgatgat	gatcaccaag	aacattttta	ggtgcaccta	1020
acagaataatc	caaaataatat	gactcactta	gatcataata	gagcatcaag	taaaactaac	1080
acttcaaatgc	aaccgatggg	aaagcatcta	taaatagaca	agcacaatga	aaatcctcat	1140
catcctttcac	cacaattcaa	atattatagt	tgaagcatag	tagtagaatc	caacaaca	1198

<210> 61

<211> 163

<212> DNA

<213> rice

<220>

<223> 10kDa prolamine terminator

<400> 61

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<210> 62

<211> 984

<212> DNA

591508035Seq1ist.txt

<213> Oryza sativa

<220>

<223> GLUTELIN-A3 promoter

<400> 62

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tgtataagaa	tttttaggta	gtgtgcaatg	taagtgtagc	ttcttatagc	ttagtgtctt	180
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ctaccaactt	gcatgatatt	atatttgtga	atatcctatc	tcttggccta	taatgaaatg	300
tgctgctggg	ttatactcta	ccatgggtatt	tgagagacct	ttgtatagct	gaaaccaacg	360
tatatgcgag	catggaacaa	gagaacaaaa	tgcaaggatt	tttttatact	ggttcatgcc	420
cctggatggg	ttaatatcgt	gatcatcaaa	aaagatatgc	ataaaaattaa	agtaataaat	480
ttgtctataa	gaaaccaaaa	ccaaaagcac	atatgtccta	aacaaactgc	attttgtttg	540
tccatgtagca	atacaagaga	taatatatga	cgtggttatg	acttattcac	tttttgtgac	600
tccaaaatgt	agtaggctca	actgattgtt	taaaagtgatg	tgcttactgt	agaagtttca	660
tcccaaaagc	aatcactaaa	gcaacacaca	acgtatagtc	caccttgcac	gtaattcttt	720
gtggaagata	acaagaaggc	tcactgaaaa	ataaaagcaa	agaaaaggat	atcaaacaga	780
ccattgtgta	tccattgat	acttgtatgt	ctatttatct	atccaccttt	tgtgtacctt	840
actttcatct	agtgagtcac	ttcatatgtg	gacattaaca	aactctatct	taacatctag	900
tcgatcacta	ctttacttca	ctataaaagg	accaacatat	atcaccattt	ctcacaaaaa	960
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<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic antisense sequence

<400> 63

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<210> 64

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic antisense sequence

<400> 64

atgaagatca ttttcgtatt tgctctcctt gctattgttg catgc 45

<210> 65

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic antisense sequence

<400> 65

caaagttata gacaatatca actacaatcg 30

<210> 66

<211> 15

<212> DNA

<213> Artificial Sequence

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<223> Synthetic antisense sequence

<400> 66
gagttcgtaa ttcaa 15

<210> 67
<211> 45
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<400> 67
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<400> 71
tgcagcagca gtgttg 16

<210> 72
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<213> Artificial Sequence

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<223> Synthetic antisense sequence

<400> 72

tgccagcagca ggttgccaa cag

23

<210> 73

<211> 22

<212> PRT

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<220>

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<400> 73

Met Lys Ile Ile Phe Val Phe Ala Leu Leu Ala Ile Val Ala Cys Asn
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 Ala Ser Ala Arg Phe Asp
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<210> 74

<211> 5

<212> PRT

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<400> 74

Met Lys Ile Ile Phe
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<210> 75

<211> 10

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<400> 75

Met Lys Ile Ile Phe Val Phe Ala Leu Leu
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<210> 76

<211> 14

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<400> 76

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<210> 77

<211> 10

<212> PRT

<213> Artificial Sequence

591508035Seq1ist.txt

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<400> 77

Gln Ser Tyr Arg Gln Tyr Gln Leu Gln Ser
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<210> 78

<211> 5

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<213> Artificial Sequence

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<400> 78

Glu Phe Val Arg Gln
1 5

<210> 79

<211> 15

<212> PRT

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<223> Synthetic antisense sequence

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Glu Phe Val Arg Gln Gln His Ser Ile Val Ala Thr Pro Phe Trp
1 5 10 15

<210> 80

<211> 15

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<223> Synthetic antisense sequence

<400> 80

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<210> 81

<211> 5

<212> PRT

<213> Artificial Sequence

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<223> Synthetic antisense sequence

<400> 81

Ala Gln Ala Gln Ala
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<210> 82

<211> 10

<212> PRT

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<223> Synthetic antisense sequence

591508035Seqlist.txt

<400> 82
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<400> 83
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<220>
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<400> 84
 Gln Gln Gln Cys Cys Gln Gln
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<210> 85
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<400> 85
 Glu Phe Val Arg Gln Gln Cys Ser Pro
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<210> 86
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<400> 86
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<210> 87
 <211> 6
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<400> 87
 Gln Gln Cys Cys Gln Gln
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591508035Seq1ist.txt

<210> 88
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<400> 88
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 1 5

<210> 89
 <211> 144
 <212> PRT
 <213> Oryza sativa

<220>
 <223> RM4

<400> 89
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 20 25 30
 Leu Gln Ser Pro Val Leu Leu Gln Gln Gln Val Leu Ser Pro Tyr Asn
 35 40 45
 Glu Phe Val Arg Gln Gln Tyr Gly Ile Ala Ala Ser Pro Phe Leu Gln
 50 55 60
 Ser Ala Ala Phe Gln Leu Gln Gln Leu Ala Leu Val Ala Gln Gln Ser
 65 70 75 80
 His Tyr Gln Asp Ile Asn Ile Val Gln Ala Ile Ala Gln Gln Leu Gln
 85 90 95
 Leu Gln Gln Phe Gly Asp Leu Tyr Phe Asp Arg Asn Leu Ala Gln Ala
 100 105 110
 Gln Ala Leu Leu Ala Phe Asn Val Pro Ser Arg Tyr Gly Ile Tyr Pro
 115 120 125
 Arg Tyr Tyr Gly Ala Pro Ser Thr Ile Thr Thr Leu Gly Gly Val Leu
 130 135 140

<210> 90
 <211> 156
 <212> PRT
 <213> Oryza sativa

<220>
 <223> RM5

<400> 90
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 Leu Gln Ser His Leu Leu Leu Gln Gln Gln Val Leu Ser Pro Cys Ser
 35 40 45
 Glu Phe Val Arg Gln Gln His Ser Ile Val Ala Thr Pro Phe Trp Gln
 50 55 60
 Pro Ala Thr Phe Gln Leu Ile Asn Asn Gln Val Met Gln Gln Gln Cys
 65 70 75 80
 Cys Gln Gln Leu Arg Leu Val Ala Gln Gln Ser His Tyr Gln Ala Ile
 85 90 95
 Ser Ser Val Gln Ala Ile Val Gln Gln Leu Gln Leu Gln Gln Val Gly

591508035Seq1ist.txt

100
 Val Val Tyr Phe Asp Gln Thr Gln 105
 115 120 Ala Gln Ala Gln 110
 Leu Asn 125
 130 Leu Pro Ser Ile Cys Gly Ile Tyr Pro Asn 140
 145 Pro Arg Ser Ile Pro Thr 150 Val Gly Gly Val Trp Tyr 155

<210> 91
 <211> 158
 <212> PRT
 <213> Oryza sativa

<220>
 <223> RM7

<400> 91
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 20 25 30
 Leu Gln Ser His Leu Leu Leu Gln Gln Val Leu Ser Pro Cys Ser
 35 40 45
 Glu Phe Val Arg Gln Gln Tyr Ser Ile Val Ala Thr Pro Phe Trp Gln
 50 55 60
 Pro Ala Thr Phe Gln Leu Ile Asn Asn Gln Val Met Gln Gln Gln Arg
 65 70 75 80
 Met Cys Cys Gln Gln Leu Arg Leu Val Ala Gln Gln Ser His Tyr Gln
 85 90 95
 Ala Ile Ser Ile Val Gln Ala Ile Val Gln Gln Leu Gln Leu Gln Gln
 100 105 110
 Phe Ser Gly Val Tyr Phe Asp Gln Thr Gln Ala Gln Ala Gln Thr Leu
 115 120 125
 Leu Thr Phe Asn Leu Pro Ser Ile Cys Gly Ile Tyr Pro Asn Tyr Tyr
 130 135 140
 Ser Ala Pro Arg Ser Ile Ala Thr Val Gly Gly Val Trp Tyr
 145 150 155

<210> 92
 <211> 134
 <212> PRT
 <213> Oryza sativa

<220>
 <223> RM10

<400> 92
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 Leu Ser Ala Ser Ala Thr Thr Ala Ile Thr Thr Met Gln Tyr Phe Pro
 20 25 30
 Pro Thr Leu Ala Met Gly Thr Met Asp Pro Cys Arg Gln Tyr Met Met
 35 40 45
 Gln Thr Leu Gly Met Gly Ser Ser Thr Ala Met Phe Met Ser Gln Pro
 50 55 60
 Met Ala Leu Leu Gln Gln Gln Cys Cys Met Gln Leu Gln Gly Met Met
 65 70 75 80
 Pro Gln Cys His Cys Gly Thr Ser Cys Gln Met Gln Ser Met Gln
 85 90 95
 Gln Val Ile Cys Ala Gly Leu Gly Gln Gln Gln Met Lys Met Ala
 100 105 110
 Met Gln Met Pro Tyr Met Cys Asn Met Ala Pro Val Asn Phe Gln Leu
 115 120 125

591508035Seq1ist.txt

Ser Ser Cys Gly Cys Cys
130

<210> 93
<211> 149
<212> PRT
<213> Oryza sativa

<220>
<223> RM16

<400> 93
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Ala Ser Ala Gln Phe Asp Ala Cys Thr Tyr Gly Gln Cys Gln Gln
20 25 30
Pro Phe Met Gln Pro Ile Met Asn Pro Cys Asn Glu Phe Val Arg Gln
35 40 45
Gln Cys Ser Pro Met Ser Leu Pro Trp Lys Gln Ser Arg Arg Leu Gln
50 55 60
Leu Ser Ser Cys Gln Val Met Arg Gln Gln Cys Cys Gln Gln Met Arg
65 70 75 80
Leu Met Ala Gln Gln Tyr His Cys Gln Ala Ile Cys Thr Met Val Gln
85 90 95
Ser Ile Met Gln Gln Val Gln Phe Asp Ala Gly Phe Val Gly Glu Pro
100 105 110
Gln Ala Gln Ala Gln Ala Gln Val Ala Leu Asn Leu Pro Ser Met Cys
115 120 125
Gly Val Tyr Pro Arg Tyr Cys Ser Thr Pro Cys Lys Val Ala Thr Gly
130 135 140
His Cys Gly Ser Trp
145

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<212> DNA
<213> Oryza sativa

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<223> RM4

<400> 94
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atatcagctg cagtcgcctg tctctgtaca gcaacaggtg cttagcccat ataatgagtt 180
cgtaaggcag cagtatggca tagcggcaag ccccttcttg caatcagctg cgtttcaact 240
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cattaacatt gttcaggcca tagcgcagca gctacaactc cagcagtttg gtgattctcta 360
ctttgatcgg aatctgggct aagctcaagc tctgttggct tttacgtgac catctagata 420
tggtatctac cctaggtaact atggtgcacc cagtaccatt accacccttg gcggtgtctt 480
gtaatgagtt ttaacagtat agtggttcgg aagttaaaaa taagctcaga tatcatatat 540
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<210> 95
<211> 597
<212> DNA
<213> Oryza sativa

<220>
<223> RM5

<400> 95
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591508035Seq1ist.txt

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cccatgcagt	gagtttcgtaa	ggcaacagca	tagcatagtg	gcaaccccc	tctggcaacc	240
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gctggtagcg	caacaatctc	actaccaggc	catttagtagc	gttcaggcga	ttgtgcagca	360
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 <212> DNA
 <213> *Oryza sativa*

<220>
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<400> 96						
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caactacagt	cgcattctct	actacagcaa	caagtgctca	gccccatgag	tgagttcgta	180
aggcaacagt	atagcatagt	ggcaaccccc	ttctggcaac	cagctacgtt	tcaattgata	240
aacaaccaag	tcattgcagca	gcagtggtgc	caacagctca	ggctggtagc	acaacaattc	300
cactaccagg	ccatttagtat	tgctcaagcg	attgtgcaac	agctcaact	gcagcaattt	360
agtggtgtct	actttgatca	gactcaagct	caagcccaaa	ctctgtgtac	cttcaactgt	420
ccatccatat	gtgggtatcta	ccctaactac	tatagtgtct	ccaggagctc	tgccactgtt	480
ggtgtgtgtc	ggtactgaat	tgtaacaata	taatagtctg	tatgttaaaa	ataaagtcat	540
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ccataaaaa						609

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 <212> DNA
 <213> *Oryza sativa*

<220>
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<400> 97						
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ttggatgtaa	ttgaaagaa	ccctacgtgt	agttatttgg	attttgttgt	gaaaaaaaaa	240
agcctttgta	gaagaagcaa	aattggattt	agttaaaagg	atactagatg	gtgttatttg	300
gattttgttg	caaatcaaat	taggaggttg	gttttattca	agttaaagtt	tgttttaaaa	360
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tatcattaaa	acataaccac	ttactttgct	gtgatatgaa	ataaatgttt	tatttcttgg	840
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<210> 98
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 <212> PRT
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591508035Seq1ist.txt

<400> 98
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 Leu Gln Leu Gln Gln
 35

<210> 99
 <211> 34
 <212> PRT
 <213> Oryza sativa

<400> 99
 Met Lys Ile Ile Phe Val Phe Ala Leu Leu Ala Ile Val Ala Cys Asn
 1 5 10 15
 Ala Ser Ala Arg Phe Asp Ala Leu Ser Gln Ser Tyr Arg Gln Tyr Gln
 20 25 30
 Leu Gln

<210> 100
 <211> 26
 <212> PRT
 <213> Oryza sativa

<400> 100
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 1 5 10 15
 Pro Ala Thr Phe Gln Leu Ile Asn Asn Gln
 20 25

<210> 101
 <211> 31
 <212> PRT
 <213> Oryza sativa

<400> 101
 Tyr Phe Asp Gln Thr Gln Ala Gln Ala Gln Ala Leu Leu Ala Leu Asn
 1 5 10 15
 Leu Gln Ser Ile Cys Gly Ile Tyr Pro Asn Tyr Tyr Ile Ala Pro
 20 25 30

<210> 102
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

<220>

591508035Seq1ist.txt

<221> misc_feature
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 <222> (45)..(45)
 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

<220>
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 <222> (97)..(99)
 <223> n is a, c, g, or t

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 <222> (103)..(105)
 <223> n is a, c, g, or t

<400> 102
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 Gln Val Met Gln Gln Gln Cys Cys Gln Gln Xaa Xaa Xaa Val Ala Gln
 1 5 10 15

car nnn cay tay car gcn atg nnn nnn gtn car gcn atg gtn car car 96
 Gln Xaa His Tyr Gln Ala Met Xaa Xaa Val Gln Ala Met val Gln Gln
 20 25 30

nnn car nnn car car 111
 xaa Gln xaa Gln Gln
 35

<210> 103

<211> 102
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<222> (24)..(30)
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<223> n is a, c, g, or t

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<222> (85)..(87)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

591508035Seqlist.txt

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<400> 103
atg aar atg atg tty gtn tty gcn nnn nnn gcn atg gtn gcn tgy aay      48
Met Lys Met Met Phe Val Phe Ala Xaa Xaa Ala Met Val Ala Cys Asn
1          5          10          15

gcn nnn gcn nnn tty gay gcn nnn nnn car nnn tay nnn car tay car      96
Ala xaa Ala xaa Phe Asp Ala xaa Xaa Gln Xaa Tyr Xaa Gln Tyr Gln
          20          25          30

nnn car
Xaa Gln      102

<210> 104
<211> 78
<212> DNA
<213> Oryza sativa

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature

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591508035Seq1ist.txt

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<222> (57)..(57)
<223> n is a, c, g, or t

<220>
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gar tty gtn nnn car car cay nnn atg gtn gcn acn ccn tty tgg car 48
Glu Phe Val Xaa 5 Gln Gln His Xaa Met Val 10 Ala Thr Pro Phe Trp Gln 15

ccn gcn acn tty car nnn atg aay aay car 78
Pro Ala Thr Phe Gln Xaa Met Asn Asn Gln
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<210> 105
<211> 93
<212> DNA
<213> Oryza sativa

<220>
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Tyr Phe Asp Gln Thr Gln Gln Ala Gln Ala Gln Leu Leu Ala Leu Asn 15

ttg caa tcc ata tgt ggt atc tat cct aac tac tac att gct cgg 93
Leu Gln Ser 20 Ile Cys Gly Ile Tyr 25 Pro Asn Tyr Tyr Ile Ala Pro 30

<210> 106
<211> 1426
<212> DNA
<213> Oryza sativa

<400> 106
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gggggtcata ctagaagccc catattaatc ctacgagagg tagaaaacta gaaattatcg 120
cactagtcaa gttgcacttg gcctagagtc tcaattgtag tataaatgat ataataattc 180
taaaatttaa attagcaaat aacaagttca attagggttg aagccgtaat tctattttta 240
taattttaatc attcttaaat ttagaattac taaaaaataa ttattaatcac agcgtgtgac 300
ttgctgtaga gactcatata gtttttacga cgatttaata atttcaaaaa taaatacagg 360
aaattgtcaa gtttgtaatc taaaatataa tattgtcata aataataat tctaaaaattc 420
aaattataaa ataccagtt gatgttttat ttaaaatata tagtatgtgc cgacacagct 480
gatgcttagt ctagatcttt taaccgtgct acgctgggtt aattagcgat ggtgcaggtc 540
acgtacccaa atttctcac tgttggatca actagagtag ttaaacgagg gcatgtgatg 600
aaggctagct atttgaatt ttccaattat cctgcataa gtcagggtcac aatagcacc 660
ggactacatg cagggattac aaaataggtg gtaaccacat ttaccggtt aacctatca 720
aattcaataa aattttaaaa gtaattgat tttttaata aattttgat ggtttctcaa 780
gctttatttt ggttaccgtg cttactgccg gaggcaatgg gaaacccctca ctagaagttg 840
cactgttctt tgcctgtgca ccatatcatg ttgaatcatg tgcgttgttg cctttcgga 900
gaaccgatgt actacatgac tcatcaattc cactttacgt atcaaaaggt ttgttatggg 960
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acctaccatg cattacaaaa cctcattcca caaaacgatg catctagata aaaaatatga 1080
catgtaaagt gagtaatgac tcatgtttat tatcaaaaat cgataaacaat caaattgat 1140
aggtcagtaa gtacctttga aatggcatgt ccaagtatgt gtacgtccac ctacacaa 1200
atgccaagtg atcatcataa aaggcataca aatacaagca gccgacaagaa 1260
acaacacaaa ttgcacaaaa ccaaagcaaa ccgatgcctt gagcatagag atcatgctat 1320

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591508035Seq1ist.txt

tcccactata aatacaaatg caccatatca agatgctcct cacccttact gaaaaatcac 1380
 aaacatcaaa acgtttataag agttctctag catccatcac atagcc 1426

<210> 107
 <211> 1008
 <212> DNA
 <213> Oryza sativa

<400> 107
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 tttaattca ttcttttgtt gaaactgaca tgtgggtccc atgagaatta ttatttttcg 180
 gatcgaaatt ccacgtaagc gctacgtcaa tgctacgtca gatgaagacc gagtcaaat 240
 agccacgtaa gcgccagctc agccaaaacc accatccaaa ccgccgaggg accatcatctg 300
 cactgggttt gatagttgag ggacccgttg tatctgggtt ttcgattgaa ggacgaaaaat 360
 caaatttgtt gacaagttaa gggaccttaa atgaacttat tccatttcaa aatattctgt 420
 gagccatata tccgtgggct tccaatcctc ctcaaatata agggcctttt taaaaatagat 480
 aattgccttc ttctagtcac ccataaaagt acaaaactac taccaacaag caacatgcgc 540
 agttacacac attttctgca catttccacc acgtcacaaa gagctaagag ttatccctag 600
 gacaattcga ttagtgtaga tacatccatt aatcttttat cagagggcaaa cgtaaaagccg 660
 ctctttatga caaaaatagg tgacacaaaa gtgttatctg ccacatacat aacttcagaa 720
 attaccaca accaagagaa aaataaaaaa aatctttttt gcaagctcca aatcttggaa 780
 acctttttca ctctttgcag cattgtactc ttgctctttt tccaaccgat ccatgtcacc 840
 ctcaagcttc tacttgatct acacgaagct caccgtgcac acaaccatgg ccacaaaaac 900
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 1 5 10 15
 ctt tct gca agt gcc act act gca 72
 Leu Ser Ala Ser Ala Thr Thr Ala
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<210> 109
 <211> 24
 <212> PRT
 <213> Oryza sativa

<400> 109
 Met Ala Ala Tyr Thr Ser Lys Ile Phe Ala Leu Phe Ala Leu Ile Ala
 1 5 10 15
 Leu Ser Ala Ser Ala Thr Thr Ala
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<210> 110
 <211> 66
 <212> DNA
 <213> Oryza sativa

<220>
 <221> CDS

591508035Seq1ist.txt

<222> (1)..(66)

<400> 110
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 1 5 10 15

gct tct gca cgg ttt gat
 Ala Ser Ala Arg Phe Asp 66
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<210> 111
 <211> 22
 <212> PRT
 <213> Oryza sativa

<400> 111
 Met Lys Ile Ile Phe Val Phe Ala Leu Leu Ala Ile Val Ala Cys Asn
 1 5 10 15
 Ala Ser Ala Arg Phe Asp
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<210> 112
 <211> 57
 <212> DNA
 <213> Oryza sativa

<220>
 <221> CDS
 <222> (1)..(57)

<400> 112
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 Met Lys Ile Phe Val Ile Leu Ser Leu Leu Ala Leu Ala Ala Ser Ser
 1 5 10 15

gcc tcg gca
 Ala Ser Ala 57

<210> 113
 <211> 19
 <212> PRT
 <213> Oryza sativa

<400> 113
 Met Lys Ile Phe Val Ile Leu Ser Leu Leu Ala Leu Ala Ala Ser Ser
 1 5 10 15
 Ala Ser Ala

<210> 114
 <211> 72
 <212> DNA
 <213> Oryza sativa

<220>
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 <222> (1)..(72)

<400> 114
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 Met Ala Ser Ser Val Phe Ser Arg Phe Ser Ile Tyr Phe Cys Val Leu
 1 5 10 15

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 Leu Leu Cys His Gly Ser Met Ala
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<210> 115
 <211> 24
 <212> PRT
 <213> Oryza sativa

<400> 115
 Met Ala Ser Ser Val Phe Ser Arg Phe Ser Ile Tyr Phe Cys Val Leu
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 Leu Leu Cys His Gly Ser Met Ala
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<210> 116
 <211> 66
 <212> DNA
 <213> Oryza sativa

<220>
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 <222> (1)..(66)

<400> 116
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 Met Ala Ser Lys Val Val Phe Phe Ala Ala Ala Leu Met Ala Ala Met
 1 5 10 15

gtg gcc atc tcc ggc gcg 66
 Val Ala Ile Ser Gly Ala
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<210> 117
 <211> 22
 <212> PRT
 <213> Oryza sativa

<400> 117
 Met Ala Ser Lys Val Val Phe Phe Ala Ala Ala Leu Met Ala Ala Met
 1 5 10 15
 Val Ala Ile Ser Gly Ala
 20

<210> 118
 <211> 8
 <212> PRT
 <213> Oryza sativa

<400> 118
 Ser Arg Ala Met Val Ser Leu Gly
 1 5

<210> 119
 <211> 102
 <212> DNA
 <213> recombinant construct

<400> 119
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 gccactactg catctagagc aatggtgagc aaggcgagg ag 102